	2010-2011)是 PHY	SICS (Annua	al Examination
. .			tion-A	
		Itiple Choice	Questions (MCQ's)	
Q.1	Select the correct A			
(0)	Molecules of matter a			
	(a) Never ending rank	dom	(b) Ceasing random	
er e	(c) Never ending ragular (d) Ceasing and regular			
(10)	Force of attraction between the molecules is proportional to the distance be			
	tween them.	0.1.50	7-5	68.5
en.	(a) Inversely	(b) Directly	(c) squarely	(d) Square root
(m)	A pair of scissors in a			(al) foodings a silvery
rich.	The unit of work is	(n) reset	(c) Wheel and Axle	(o) indined plane
((A)			(c) Newton	Lett Kilogenen
(v)			d through a distance by	
1.7	(a) Fulcrum			
	(c) Mechanical advan			
(vi)	G is called		(d) Force	
1919	(a) Gravitation attract	ion	(b) Acceleration due !	to oravity
	(c) Gravitaltonal force)	(d) Gravitational Con-	stant
(vii)	The S.I unit of force is		100	
			c(c) Kilogram (d) Ne	wton
(VIR)	The unit of torque in 5			
	(a)Newton	(b) Kilogram	(c) Nawton m	eter (d) Meter
(ix)	isav	ector guantity.		
			(c) Distance	
(x)			unit of measurement i	
200	(a) Kilometer	(b) Meter	(c) Yard	(d) Foot
(xi)			us is called	
	(a) Avogadro number	(b) At	omic number	_
duits.	(c)Mass number	(a) Mr	clear number	
(xii)	Like poles of magnet	(h) Canal	IN OWNER.	wast nor rower
	(a) Attract (b) Repel (c) Neither attract nor repel (d) Sometimes attract and sometimes repel			
Audito.	The lightest particle i	a and sometim	ion Labor	
(XIII)	(a) Mauricia	(b) Electron	(c) Doudson	(d) Proton
(xiv)	The speed of sound	in nis at norma	(c) Deutron Lemperature and pres	euro in mie
/www.			(c) 712	
(xv)	For total internal relie	ection the annie	of incidence must be	the concal angle.
Sec. 2			nan (c) Equal to	
(xvi)			ignification of the mirro	
	(a) 2 (b) 0.1	(c) 4	(d) None of the	1050
(NOVIII)	In transverse waves	the distance b	etween two consective	crests or between two
	consecutive troughs	is called		
	(a) Displacement	(b) Wave len	gth (c) Velocity	(d) Speed
	M.		Short Answers)	
Note:		any EIGHT o	of the following . Eac	h question carries 0
	marks,			
0.2			ortant branches of Phy	BICB.
Q.3	Differentiate between		_	
0.3	Define equilibrium. State the two conditions of equilibrium with examples.			
0.5	What do you know about Brownian motion? What is meant by anomalous expansion of water? What are the effects of the			
0.6				t are the enects of thi
0.7	anomalous exapnes			
0.8	Define Reflection of Light. State the Laws of Reflection. What are the main defects of a human eye? How are they removed?			
0.9	How is rainbow form		min eyer rion are they	removed
Q.10	Distinguish between			
Q.11	Explain in the Law of		10	
Q.12		_	10 th kg. Covert it in gr	n milliorem and micro
Man year.	gram.	au on ta p. 11 A.	to ag. covert it in gr	it. Ivingebin and micro
Q.13	-	following:		
			water but a huge ship	floats?
			seen earlier than the so	
			(Descriptive)	
Note:	Attempt any TWO o		ne following in detail.	
	Draw diagram when	re necessary.	Each question carries	14 marks.
Q.14			aw of conservation mor	
	example.			
(b)	A truck is moving ea			
	If the momentum of	the trucks is 30	2000 kg m/s. Find the n	hass of the truck.
Q.15	Explain what is mea			
~	Give three exmaples			and the second second
Q.16		Conservation o	f Energy and explain th	is law for a freely falling
(b)	body.	on object of	ass 4kg moving at a sp	and of 10 i-
147	CONCORDED NIGHT CITY	an ouject of me	DOES HALL HELVING BE B. SC	ecu of futivs.